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is certain that large numbers of the bugs were present in the seed beds and in some fields, but the writer is inclined to doubt that they did much damage. Prof. Watson recommended crude carbolic acid used at the rate of a tablespoonful to two gallons of water or a dust made by adding a half pint of the acid to a bushel of lime or plaster, but I do not know what results were obtained.

*Tabanids.* Among our very worst pests of livestock are the large Tabanids which appear in great numbers for from four to eight weeks in the spring. I have seen even mules covered with bloody splotches caused by the bites of these insects in one day. Work animals are usually protected by repellent mixtures, mechanical means or by screening their quarters, but the unfortunate range animals suffer severely and lose weight considerably during this period. This is a problem to which little attention has been given, and which, in justice to our growing livestock industry, deserves to be attacked with vigor.

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#### BOOK AND BULLETIN NOTICES

The October number of the Quarterly Bulletin of the State Plant Board contains two valuable articles on scale insects. The first on "Some Florida Scale Insects," by C. E. Wilson, lists 83 species, most of which are illustrated by original photographs. This is a very credible list and should be a great help to those working with these insects.

We note under Cottony Cushion Scale, p. 18, many plants listed as not having been found infested in Florida that should have been recorded among the Florida hosts, as they were found infested at Key West (See An. Rep. Fla. Ag. Exp. Sta. 1915 p. lxxiv).

The second article by Dr. E. W. Berger on the control of scale insects is the latest word on the subject.

Press Bul. 285, Fla. Ag. Exp. Sta., is on the San Jose Scale and No. 286 treats of the Boll Weevil in Sea Island cotton.

Farmers' Bul. 875, U. S. D. A., treats of (*Ligyrus*) *Euetheola rugiceps* which the authors, Philip and Fox, call the rough-headed corn stalk-beetle. This beetle is common in Florida but no serious injury to corn seems to have been noted.

Farmers' Bul. 843 on pecan insects is of peculiar interest to us, as it is the result of work done mostly in Florida by J. B. Gill, who is stationed at Monticello.

Bul. 609, U. S. D. A. (Professional Paper), is on *Pilocrocis*

*tripunctata*, which the author (T. H. Jones) calls the sweet-potato leaf-folder. This pyralid moth was in October bred out from sweet-potatoes on the Station grounds, where it was working with *Prodenia*. The point that attracted our attention was that it was not controlled by the Kansas bait as was *Prodenia*, doubtless because it feeds largely in the rolled up leaves. The damage it did was inconsequential.

“Fleas and Their Control,” is the subject of Farmers’ Bul. 897, by F. C. Bishopp.

“The Life of the Caterpillar” (Dodd Meade and Co.) has been translated from the works of that delightful French author Fabre, “The Insects’ Homer.”

### REPORTS OF MEETINGS

(K. E. BRAGDON, Secretary)

Science Hall, Gainesville, Fla., Oct. 10, 1917

The meeting was called to order by the President with about seventy members and visitors present.

The report of the Secretary was read and approved.

The executive committee reported on the following names and they were elected as members in the Society:

W. N. Hull, Dept. Port & Ry. Insp., State Plant Board,.....	Miami, Fla.
James Kerr, Inspector, State Plant Board.....	Santa Rosa, Fla.
Dr. Hiram Byrd, Scient. Sec'y State Board of Health.....	Jacksonville, Fla.
Harold Mowry, Inspector, State Plant Board.....	Santa Rosa, Fla.
Clarence A. Bass, Inspector, State Plant Board.....	Ft. Myers, Fla.
R. G. Bateman, Inspector, State Plant Board.....	Groveland, Fla.
C. D. Kime, Co. Dem. Agt., Brevard Co. ....	Titusville, Fla.
Wm. Gomme, Co. Dem. Agt., Lake Co. ....	Tavares, Fla.
O. W. Caswell, Co. Dem. Agt., Manatee Co. ....	Bradenton, Fla.
R. F. Walker .....	Haines City, Fla.
A. M. Klemm, Nurseryman.....	Winter Haven, Fla.
Max E. Viertel, Citrus grower .....	Winter Haven, Fla.
John Adams Comstock.....	321 S. Hill St., Los Angeles, Cal.
A. W. Street, Citrus grower .....	Ormond Beach, Fla.
W. N. Crooks, Citrus grower.....	Viking, Fla.
J. W. Carson, Citrus grower .....	Frostproof, Fla.
M. B. Allen, Allencroft Nurseries.....	Mt. Dora, Fla.
Thomas J. Baker, Asst. Nurs. Insp., St. Plant Board.....	Gainesville, Fla.
James F. Marsh, Inspector, State Plant Board .....	Groveland, Fla.
S. F. Pool, Citrus grower .....	Winter Haven, Fla.
M. Marcellus Javens, Citrus grower .....	Mt. Dora, Fla.
F. F. Bibby, Assistant Entomologist, St. Pl. Bd. ....	Gainesville, Fla.
F. J. McKinley, Co. Dem. Agt. ....	Miami, Fla.
Alfred Warren, Co. Dem. Agt. ....	Ft. Pierce, Fla.
Mrs. Marie Conway Oemler .....	Savannah, Ga.
L. R. Warner, Asst. Nurs. Insp., State Plant Bd. ....	Gainesville, Fla.
C. H. Thompson, Citrus grower .....	Winter Haven, Fla.
J. P. Donnelly, Citrus grower .....	Mt. Dora, Fla.
A. A. Lewis, County Dem. Agent .....	Kathleen, Fla.
E. E. Truskett, Citrus grower .....	Mont Verde, Fla.
Alex Finlay, Citrus grower .....	Orange Center, Fla.